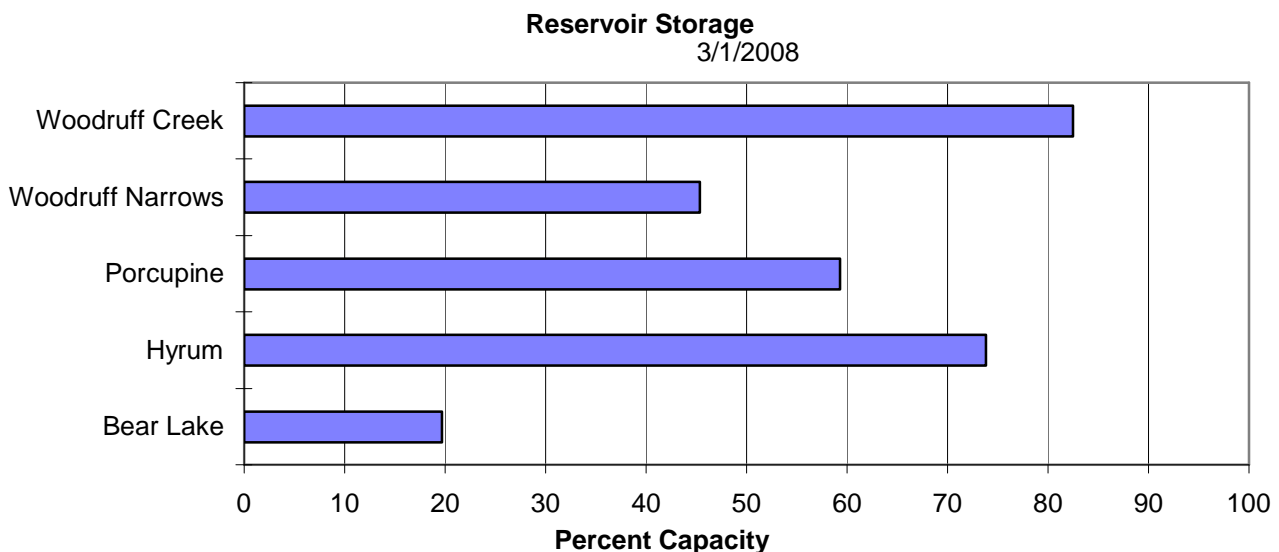
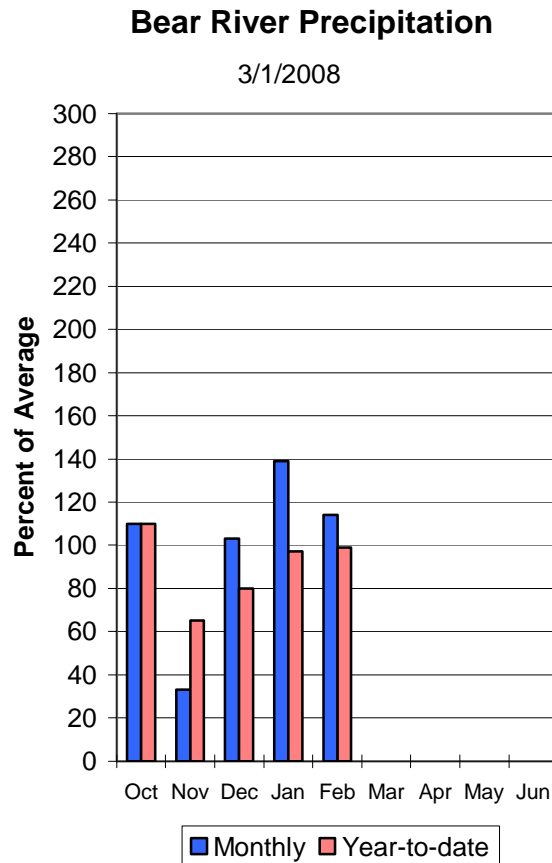
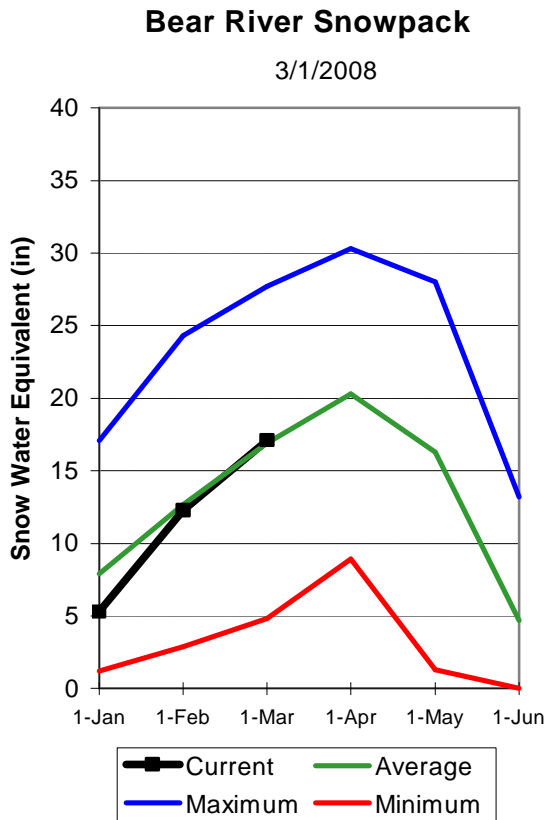


# Bear River Basin

March 1, 2008

Snowpacks on the Bear River Basin are near average at 98% of normal, about 136% of last year. This is a 4% increase since February 1st. Specific sites range from 84% of normal at Giveout Snotel to 163% at Little Bear snow course. February precipitation was above average at 114%, which brings the seasonal accumulation (Oct-Feb) to 99% of average. Soil moisture levels in runoff producing areas are at 55% of saturation in the upper 2 feet of soil compared to 67% last year. Forecast streamflows (April-July) range from much below to above average (68%-111%) volumes for this spring. Reservoir storage is low at 22% of capacity, 14% lower than last year. The Surface Water Supply Index is at 12% for the Bear River, or 88% of years have had more total water available. Water supply conditions are much below normal due to low reservoir storage at Bear Lake.



BEAR RIVER BASIN Streamflow Forecasts - March 1, 2008								
Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>						
		Chance Of Exceeding *		Chance Of Exceeding *		Chance Of Exceeding *		30 -Yr Avg.
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
Bear River nr UT-WY State Line	APR -JUL	96	113	125	111	137	154	113
Bear River ab Reservoir nr Woodruff	APR -JUL	98	126	145	107	164	192	136
Big Creek nr Randolph	APR -JUL	2.90	4.00	4.70	96	5.40	6.50	4.90
Smiths Fork nr Border	APR -JUL	65	79	88	85	97	111	103
Bear River at Stewart Dam	APR -JUL	98	133	160	68	190	240	234
Little Bear River at Paradise	APR -JUL	29	39	46	100	54	66	46
Logan R Abv State Dam Nr Logan	APR -JUL	82	99	112	89	126	147	126
Blacksmith Fk Abv Up&L Dam Nr Hyrum	APR -JUL	29	40	48	100	57	71	48

BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of February					BEAR RIVER BASIN Watershed Snowpack Analysis - March 1, 2008			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BEAR LAKE	1302.0	256.8	430.6	---	BEAR RIVER, UPPER (abv Ha	5	127	98
HYRUM	15.3	11.3	13.6	11.0	BEAR RIVER, LOWER (blw Ha	9	94	87
PORCUPINE	11.3	6.7	9.5	5.6	LOGAN RIVER	4	110	94
WOODRUFF NARROWS	57.3	26.0	48.2	27.6	RAFT RIVER	1	61	107
WOODRUFF CREEK	4.0	3.3	3.0	---	BEAR RIVER BASIN	14	102	91

\* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.  
(2) - The value is natural volume - actual volume may be affected by upstream water management.